

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
3 March 2005 (03.03.2005)

PCT

(10) International Publication Number  
**WO 2005/019253 A1**

(51) International Patent Classification<sup>7</sup>: C07K 14/415

(21) International Application Number:  
PCT/CH2004/000536

(22) International Filing Date: 23 August 2004 (23.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
PCT/CH03/00568 22 August 2003 (22.08.2003) CH

(71) Applicant (for all designated States except US): OPTIMA ENVIRONNEMENT S.A. [CH/CH]; 29, ch. de la Vuarpillière, CH-1260 Nyon (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MERMOD, Nicolas [CH/CH]; rte des Deux Communes, CH-1164 Buchillon (CH). SUAREZ, Mougli [UY/CH]; Av. d'Epenex 25, CH-1024 Ecublens (CH).

(74) Agent: ROLAND, André; Avenue Tissot 15, CH-1001 Lausanne (CH).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PLANT-DERIVED PEPTIDES HARBORING WATER-CLEANING AND ANTIMICROBIAL ACTIVITIES

(57) Abstract: Protein family derived from the protein defined by the sequence QGPGRQPDFQRCGQQLRNISPPQRCPLSLRQAVQLTHQQGQVGPQQVVRQMYRVASNPST

BEST AVAILABLE COPY

BEST AVAILABLE COPY

WO 2005/019253 A1